

1 We Claim:

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3 1. A pharmaceutical solution comprising Ivermectin, ethyl alcohol, and
4 polysorbate 80, without benzyl alcohol, N-methylpyrrolidone or 2-pyrrolodone for the
5 treatment of a broad spectrum of infestations caused by a parasite.

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7 2. The pharmaceutical solution of claim 1, wherein the solution is applied
8 topically.

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10 3. The pharmaceutical solution of claim 1, wherein the solution further
11 comprises water or an organic solvent.

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13 4. The pharmaceutical solution of claim 1, wherein the solution further
14 comprises a flavoring agent.

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16 5. The pharmaceutical solution of claim 1, wherein said solution is a water based
17 solution.

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19 6. The pharmaceutical solution comprising Ivermectin, isopropyl alcohol, and
20 polysorbate 80, without benzyl alcohol, N-methylpyrrolidone or 2-pyrrolodone for the
21 treatment of a broad spectrum of infestations caused by a parasite.

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23 7. The pharmaceutical solution of claim 6, wherein the solution is applied
24 topically.

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26 8. The pharmaceutical solution of claim 6, wherein the solution further
27 comprises water or an organic solvent.

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29 9. The pharmaceutical solution of claim 6, wherein the solution further
30 comprises a flavoring agent.

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1 10. The pharmaceutical solution of claim 6, wherein said solution is a water based
2 solution.

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4 11. A pharmaceutical solution comprising comprising Ivermectin, without benzyl
5 alcohol, N-methylpyrrolidone or 2-pyrrolodone, in an amount of .1-10% by weight of
6 the solution, mixed with a solution of 50% propylene glycol and 50% polysorbate 80
7 by volume, for the treatment of infestations caused by a parasite.

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9 12. The pharmaceutical solution of claim 11, wherein the solution is applied
10 topically.

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12 13. The pharmaceutical solution of claim 11, wherein the solution further
13 comprises water or an organic solvent.

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15 14. The pharmaceutical solution of claim 11, wherein the solution further
16 comprises a flavoring agent.

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18 15. The pharmaceutical solution of claim 11, wherein said solution is a water
19 based solution.

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21 16. A method for preparing a stable, palatable form of Ivermectin comprising the
22 following steps:

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24 a. adding Ivermectin to the propylene glycol to form a mixture;

25 b. adding Tween 80 as a coupling agent to said mixture; and

26 c. stirring for 12 to 24 hours.

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28 17. A method as in claim 16 with the additional steps of:

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30 d. adding a flavoring agent; and

31 e. mixing for 1 hour.

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1 18. The flavoring agent of claim 16, wherein said flavoring agent is selected from
2 the group consisting of cyclohexyl-sulfamic acid, saccharin (o-benzosulfimide),
3 Aspartame (i.e., L-Aspartyl-L-phenylalanine methyl ester), and sugar.